

# 4U1ITU celebrates its 50th anniversary

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By HB9RS

50 years ago Bill Halligan wrote " Amateur Radio is a spirit which I believe is so evident in the [International Amateur Radio Club](#) (IARC), and the Hallicrafter Company is proud to have played a role in the development of the Club station 4U1ITU."

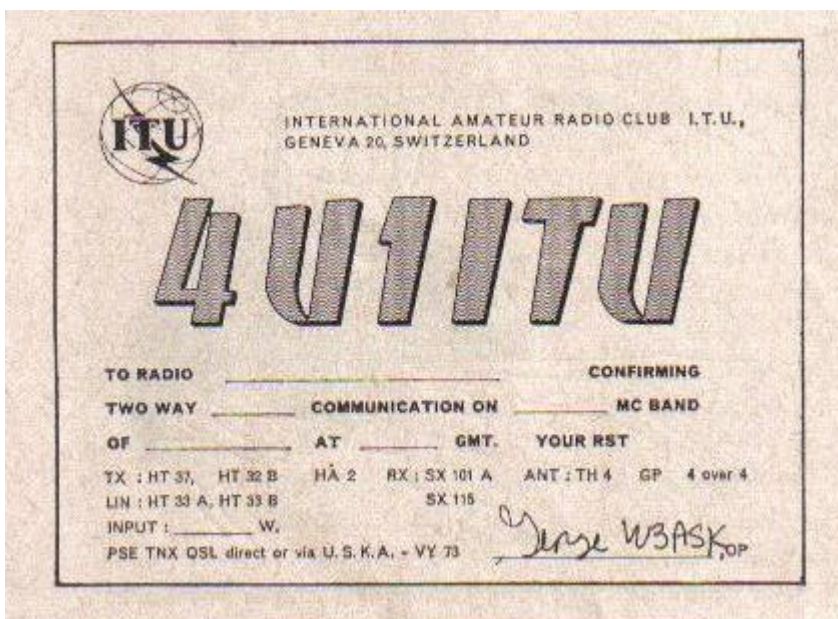
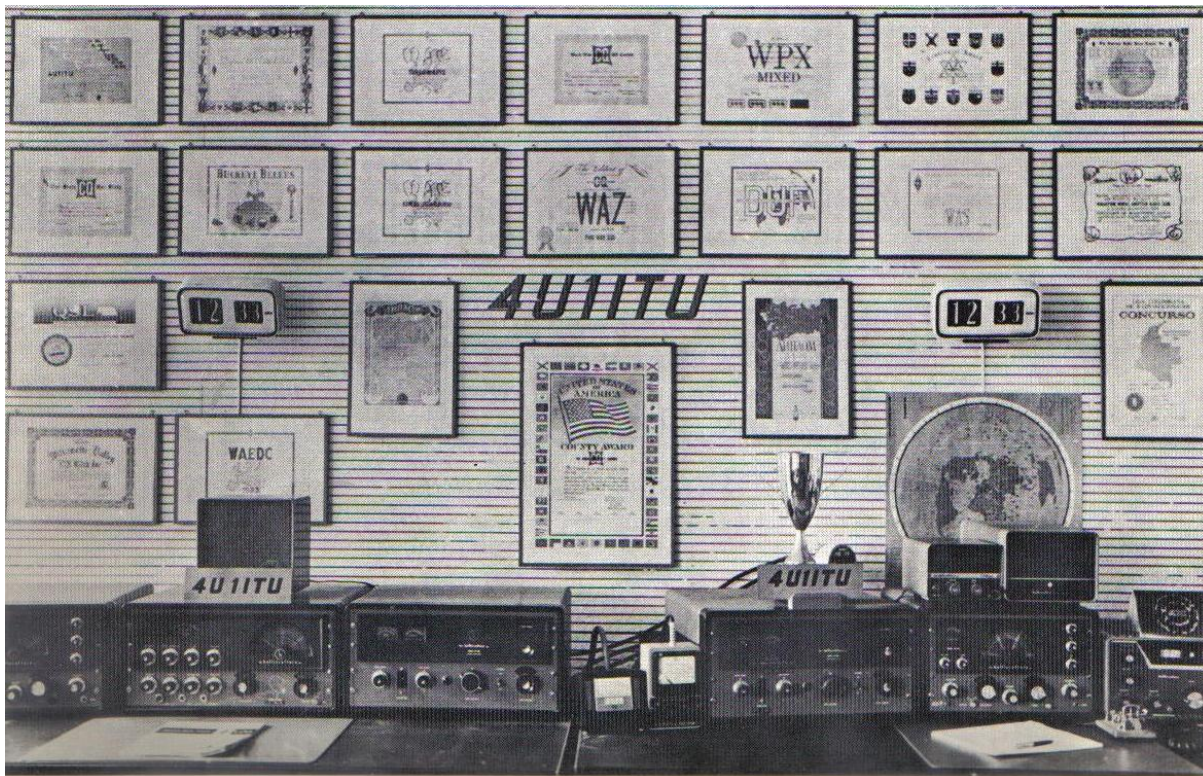
## 4U1ITU Opens

*New International  
Ham Station  
at Geneva*

HB9SI, club secretary, holds the ribbon while K9EBE of the Hallicrafters Company performs the cutting ceremony; to the right are club president John Gayer and ITU Secretary-General Gerald C. Gross

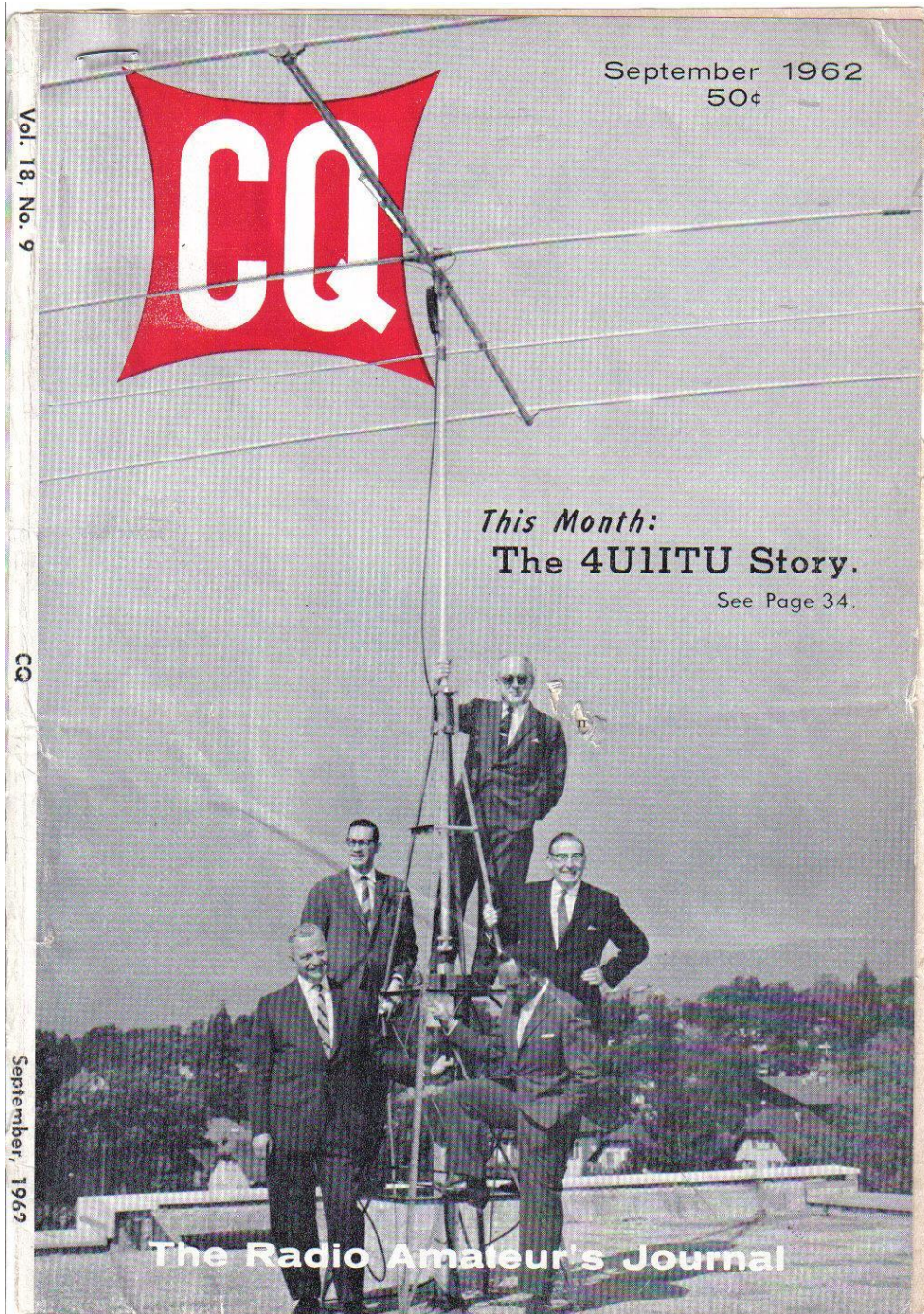


Indeed, William (Bill) Halligan, W4AK / W9AC donated the entire Hallicrafters station which was inaugurated on June 10, 1962 with the famous call 4U1ITU.



As mentioned on the QSL, the complete Hallicrafters station consisted mainly of :  
 TX: HT 37, HT 32 B and HA 2  
 LIN : HT 33 A, HT 33 B  
 RX: SX 101 A, SX 115

The IARC was created in 1961 by a team of hams working at the [International Telecommunication Union](#) (ITU), at the United Nations or Geneva amateurs friends.



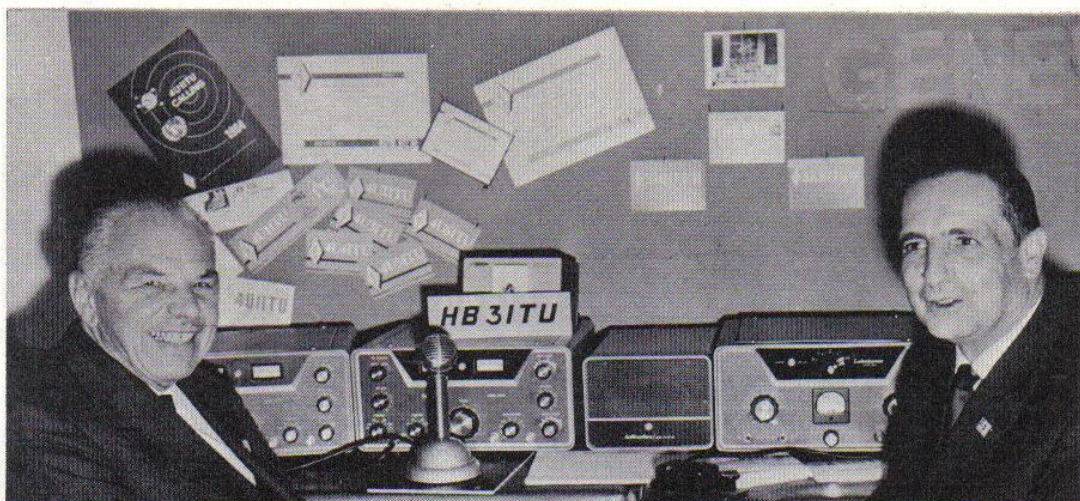
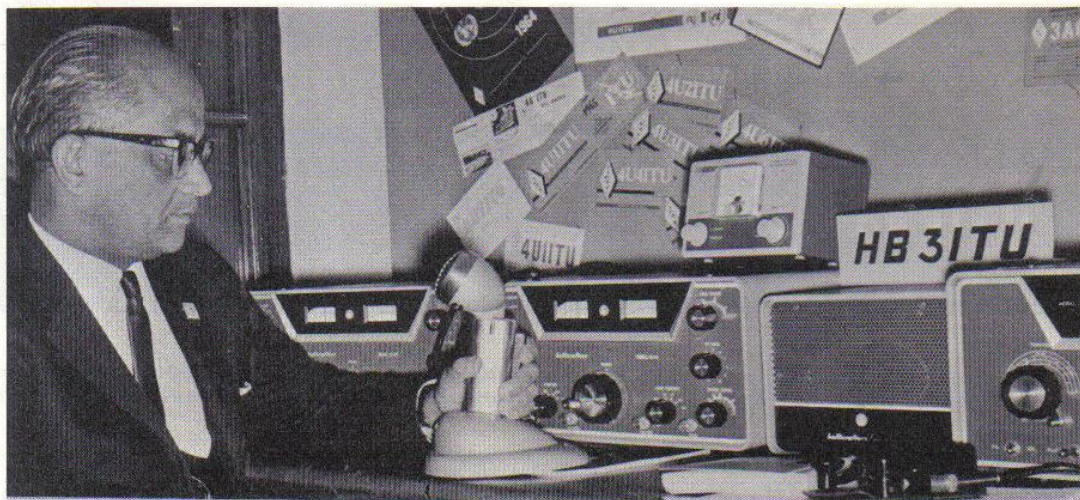
Seen high on the roof of the new ITU building in Geneva, Switzerland  
Are some of the amateurs responsible for installing a 4-element beam  
and other equipment used by 4U1ITU.

From left to right, up the pyramid, are : HB9UD, HB9ET  
Chls l'EVEQUE (an s.w.l.), PA0BB/HB9SI, and at the apex is W2YEJ  
Hallicrafters representative.

With the support of the Swiss Administration and the ITU Secretary-General an  
IARC Station was set up in the Montreux Palace Hotel, headquarters of the ITU  
Plenipotentiary Conference, Montreux 1965.

This station was allocated the special call HB3ITU by the Swiss P.T.T. and was on the air for the two months duration of the conference. A special IARC QSL card was sent acknowledging all contacts.

*ITU Centenary year amateur stations*



Our photos shows the late Dr.Sarwate, elected Secretary-General by the Montreux Conference, and (left to right) Mr. Gustav Wettstein, then Director-General of the Swiss PTT, and another senior Swiss PTT Official, Mr.Rütschi, ,1966 President of the ITU Administrative Council Visiting HB3ITU.

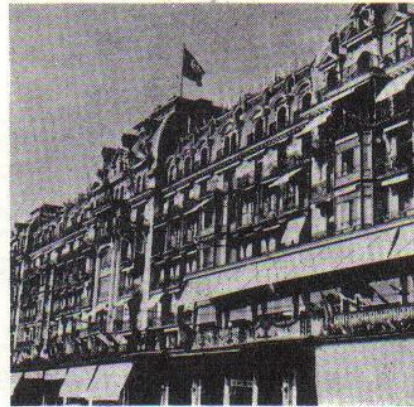
Another IARC station operated from Monte Carlo in Monaco in August 1965.

INTERNATIONAL AMATEUR RADIO CLUB  
I.A.R.C., P.O. BOX 6 GENEVA 20, SWITZERLAND

**3AØITU**

IN THE BEAUTIFUL CITY OF MONTE-CARLO  
PRINCIPAUTÉ DE MONACO

TO RADIO \_\_\_\_\_ CONFIRMING  
TWO WAY \_\_\_\_\_ COMMUNICATION ON \_\_\_\_\_ MC BAND  
OF \_\_\_\_\_ AT \_\_\_\_\_ GMT. \_\_\_\_\_ YOUR RST  
TX: \_\_\_\_\_ LIN: \_\_\_\_\_ PWR: \_\_\_\_\_ RX: \_\_\_\_\_ ANT: \_\_\_\_\_  
QSL direct or via U.S.K.A. - VY 73 \_\_\_\_\_ ,OP

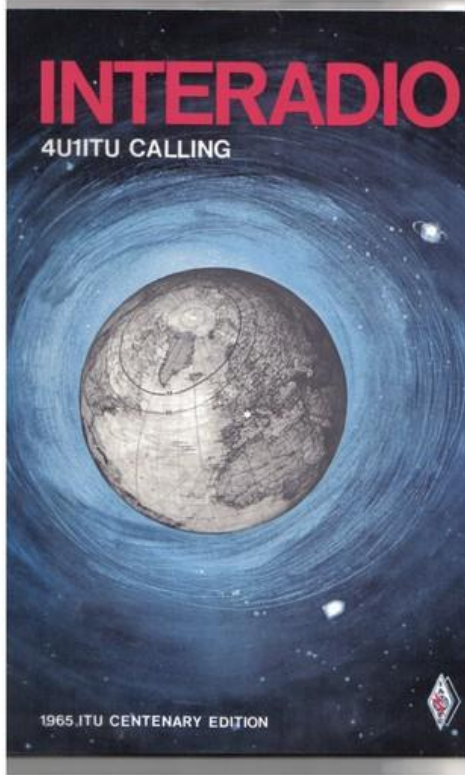


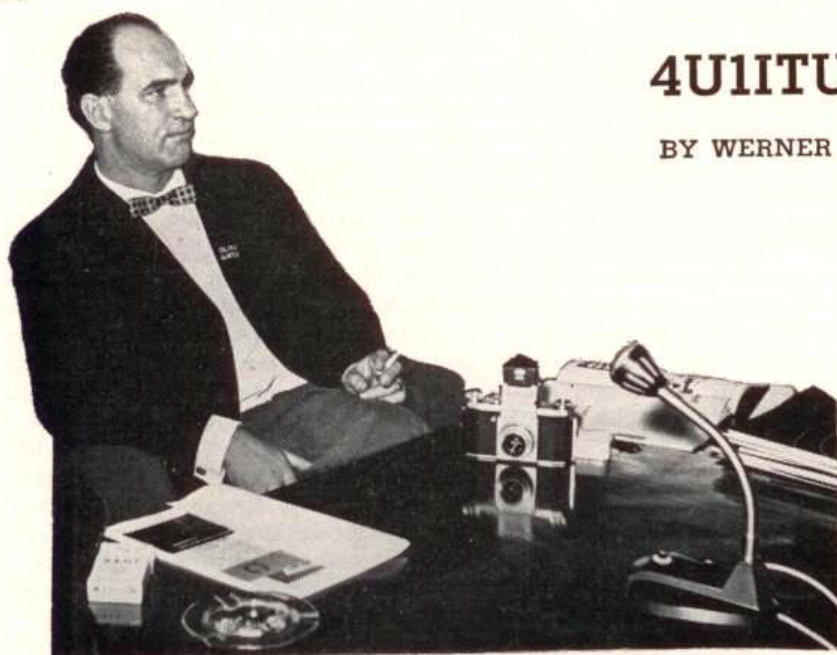
The Montreux Palace

The International Amateur Radio Club came into existence at the inauguration, in 1962, of the new International Telecommunication Union Headquarters building located in the vicinity of the United Nations complex in Geneva. Allocated a callsign in the United Nations 4U series, it started operation on amateur bands from 2m to 80m with a station donated by the Hallicrafters Company as a gift of the Government of the United States of America to the I.T.U. Since that date, 4U1ITU has contacted, as a new DXCC country, countless tens of thousands of radio amateurs all over the world, with the Hallicrafters SX 115 receiver HT 323 exciter and HT 333 linear and a Hy-Gain TH-4 antenna. A dual station incorporating the original equipment and a Hammarlund line HQ 180 receiver, HX 50 exciter, and HXL-2 linear is now in full operation. Also, due to the generosity of a number of additional manufacturers, a Club working on an extremely modest budget and with the aid of hard working Club members, has enabled the IARC station to maintain a high standard of operating efficiency and to foster friendship between radio-amateurs in all the earth's continents.

#### References:

- 1) [4U1ITU Calling, by Werner Wolter DL1YJ, QST April 1965](#)
- 2) [4U1ITU Story Amateur Radio Station by George Jacobs, W3ASK, CQ September 1962](#)
- 3) [4U1ITU Calling, Annual Publication of the IARC, Nr.1 October 1963, "Why an Anniversary" by Bill Halligan.](#)
- 4) [4U1ITU Calling, Annual Publication of the IARC, Nr.2 September 1964, "Personalities" Bill Halligan.](#)
- 5) [4U1ITU Calling, Annual Publication of the IARC, Nr. 3, ITU Centenary Year 1965](#)
- 6) [IARC Newsletter No.4, 1965](#)
- 7) [IARC Newsletter No.11, December 1968 \(Cover page\)](#)
- 8) [4U1ITU Opens, QST August 1962.](#)





## 4U1ITU Calling

BY WERNER WOLTER,\* DL1YJ

Werner Wolter, DL1YJ,  
the editor of 4U1ITU  
Calling.

A FAMILIAR signal on the DX bands, particularly on 14-Mc. sideband, is that of 4U1ITU, headquarters station of the International Amateur Radio Club, located on the top floor of the building housing the International Telecommunications Union in Geneva, Switzerland. It is a unique station, because it is the world's *only* international radio station and because of the opportunity it has of demonstrating amateur radio to telecommunications delegates visiting ITU Headquarters.

4U1ITU has been on the air since June 10, 1962, and since that time has made some 60,000 contacts all over the world. A list of the amateurs who have operated at 4U1ITU reads like an international who's who in amateur radio. Besides the hams on the staff of ITU, who spend as much of their off-duty time as possible at 4U1ITU, there has been a steady stream of operators from all over the world. Some of these hams have been delegates to special conferences at ITU, others have been tourists passing through Geneva, still others have been businessmen on regular trips through Europe. The International Amateur Radio Club offers a personal invitation to *you* to stop in and operate 4U1ITU if you have the opportunity to visit Geneva.

### *The International Amateur Radio Club*

What is this IARC that we have heard so much about during the last couple of years?

Whenever a few hams live near each other, or work with each other, they tend to form a club. So it was at ITU headquarters. There were a number of enthusiastic hams on the staff, and because the ITU staff is drawn from many countries there were many prefixes represented. Thus, because of the international flavor of the membership, and because of the Geneva location, it was only natural that the name chosen should be the International Amateur Radio Club.

\* Editor, 4U1ITU Calling; Publicity Officer, IARC

Patrons of the IARC are U Thant, Secretary General of the United Nations; Gerald C. Gross (HB9IA, W3GG), Secretary General of the International Telecommunications Union; and G. A. Wettstein, Director General of the Swiss PTT. John Gayer, HB9AEQ, became the first president of IARC and is now honorary president. Miroslav Joachim, OK1WI, was chosen vice president and is now 1965 president; Ted Robinson, F8RU, secretary; and Heinz Robig, HB9QC, treasurer.

In its *Rules*, the IARC set forth its purposes:

- a) to further, through amateur radio, international friendship and understanding.
- b) to encourage the proper use of the frequency bands, and also goodwill and good manners on the air.
- c) to cooperate with radio amateurs and their associations.
- d) to manage and operate the IARC transmitting and receiving station 4U1ITU, and
- e) to share experiences with amateurs and telecommunication experts visiting ITU headquarters and in this way, to further contribute to the development of communications.

To implement these noble purposes, one of the first goals of the new Club was to activate its station, 4U1ITU. Through the generosity of manufacturers in Europe and the United States, many items of amateur radio equipment were donated. No less important, through the courtesy of the ITU itself, space was provided on the top floor of the new ITU headquarters building for a club room and the erection of antennas was permitted on the roof, some six stories above ground level. At noon, Greenwich, on June 10, 1962, 4U1ITU went on the air for the first time. It has been active ever since, and a contact with 4U1ITU is a widely sought experience on the ham bands, counting towards DXCC.

### IARC Conventions

Since the founding of IARC, it has held two conventions in Geneva, with a third scheduled for this coming September. In keeping with the international flavor of IARC, these conventions have been attended by amateurs from all over the world and have been a means for implementing another of IARC's purposes — the furthering of international friendship and understanding.

This year's IARC convention will be held on September 17, 18 and 19 in Geneva, and the Club would like to hear at an early date from anyone who plans to attend. This will be a particularly important period in international communications, for at the same time the International Telecommunications Union will be holding its Centenary Plenipotentiary Conference (which as now planned will be in session from September 14 to November 12). Numerous telecommunications dignitaries from the 124 member countries of the ITU will be on hand for the "plenipot" in Montreux, Switzerland, and many of them will take the opportunity to come over to Geneva for the weekend convention of the IARC.

### Special Operation of 4U1ITU in May

One hundred years ago, in May of 1865, the representatives of twenty European countries met in Paris and signed a Convention setting up what was then the International Telegraph Union, in order to provide for common rules for the telegraph systems in Europe. The first radio conference was held in Berlin in 1906, and in the combined radio and telegraph conference held in Madrid in 1932 the organization changed its name and nature to the International Telecommunication Union. As the ITU traces its origins back to the original telegraph conference held in

Paris in 1865, it is celebrating its centenary this year. The ITU Centenary reminds all hams that they too are part of the community of the Union. Hams are the blood-brothers of the propagation research engineer in Tokyo, the antenna specialist in Los Angeles, the radio astronomer in Sverdlovsk — and the radio operator on a tramp steamer a week out of Melbourne as well. The amateur and the professional see one another's faults close-up, like members of a family, but we are still members of the one family just the same. In any family, something comes up now and then that reminds the quarreling partisans of their common identity, and this year for us all, it is the hundred years of the ITU. Our common ancestors are the great men who always stand out so clearly at a distance of generations. Faraday and Maxwell; Hertz, Poppy and Marconi; Pupin, de Forest, and the rest.

There will be special centenary ceremonies at the Plenipotentiary Conference in Montreux, taking place in September as already mentioned. The International Amateur Radio Club will celebrate this anniversary by being on the air continuously from 0000 GMT May 16 through 2400 GMT on May 17, to commemorate the actual (May 17) centennial date of the International Telecommunication Union. Five transmitters will be operating simultaneously in different amateur bands. A special Centenary QSL card will be sent to each station worked during this Centennial celebration, and special 4U1ITU operator certificates will be issued to hams who come from anywhere (and everywhere) in the world to operate during this period. Radio amateurs who wish to operate 4U1ITU on either or both days are invited to contact the Station Manager of 4U1ITU, IARC, Geneva 20, Switzerland, *right now!* The station manager is Gunter



Visitors at 4U1ITU have amateur radio explained to them by HB9UD (seated, left rear) who is the Station Manager and OK1FY (standing, right foreground) who is Station Engineer.





The handsome surroundings of an ITU meeting room provide the appropriate setting for one of the IARC Convention formal sessions.

Joraschkewitz, HB9UD, and he'd like to start planning operating schedules as soon as possible.

#### **International Salesmanship**

Because of its location, the International Amateur Radio Club has a unique opportunity to demonstrate amateur radio to visitors at the ITU headquarters. Telecommunications delegates who might not have much understanding of what amateur radio is about are personally invited to visit 4U1ITU and participate in some of the international conversations. IARC members are able to demonstrate that amateur radio forms a national resource of trained operators and technicians, and many a delegate leaves the 4U1ITU shack with a much better appreciation of the amateur radio service.

You can participate in IARC activity by joining the IARC and helping to support it. *Membership is open to anyone anywhere in the world.* The yearly membership dues of \$5 for amateurs includes a membership certificate, a membership lapel pin, quarterly news letters, and the annual issue of the Club's magazine *4U1ITU Calling*<sup>1</sup>. It publicizes international amateur radio and is aimed not only at hams but also at Administrations, delegates, and others in different walks of life.

#### **Amateur Radio Is International**

The spirit and nature of amateur radio have made it international from the beginning. Amateurs have not only kept pace with changing times, but often have been in advance. Amateur radio is no longer a hobby. It is an institution of understanding and education. Amateur radio will go ahead into the scientific and leisure age to

<sup>1</sup> Four-color international coverage. Single copies available from IARC at \$1.00 (or equivalent).

contribute knowledge, increasing the degree of scientific thinking and stimulating many to learn on their own.

After 50 years of pioneer work, amateur radio can now make a great contribution to the efforts of the United Nations and ITU technical cooperation programs. There is a great interest in new countries to learn amateur radio and what goes on in the world. Many amateurs now have the opportunity to pass on their knowledge and to really help their less fortunate brethren. Innumerable visitors to 4U1ITU have left understanding and admiring amateur radio enthusiasts, and recognizing that amateur radio is a potent force for developing enthusiasm for telecommunications in their countries. IARC sells amateur radio under the slogan, "Young radio amateur today — telecommunication engineer tomorrow." Our task is crystal clear. Radio amateurs must cooperate with young countries struggling to gain the fruits of scientific and technical progress. Assistance is required to help organize amateur radio clubs in new nations. The policy of new nations towards amateur radio will reflect the ideas of these clubs and the good will shown by the whole world. There are strong moral reasons why those of us who have been fortunate should help those who have been less fortunate.

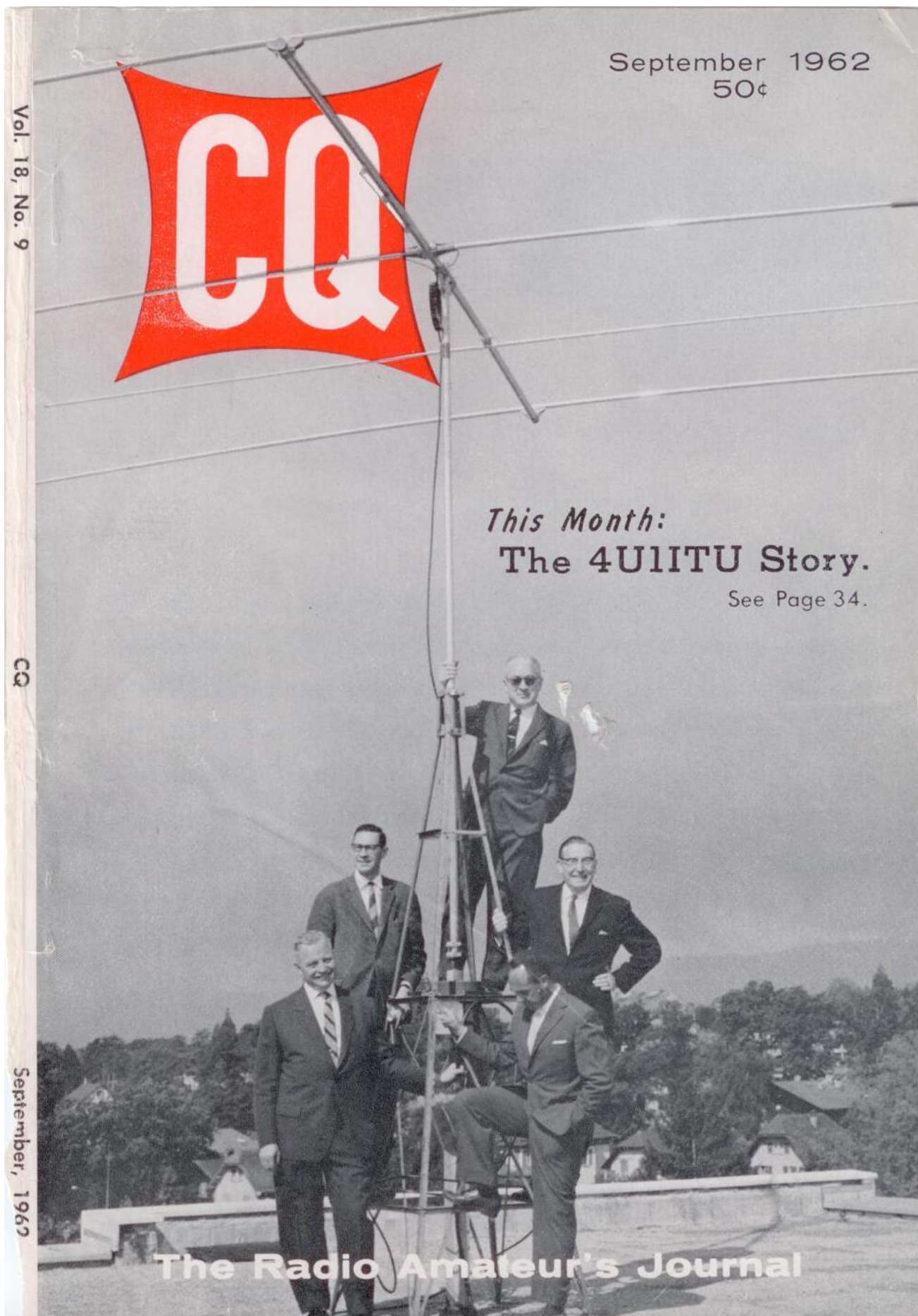
We all live today in one world.

**QST**

#### **FEEDBACK**

To the list of distinguished amateurs shown on page 46 of February *QST* as new Fellows of the Institute of Electrical and Electronic Engineers, may be added the name of D. Gerald A. Rooselot, WSHSF, of Birmingham, Michigan, a vice president of Bendix. (Via W4UDC/W6YCO).

References 2: 4U1ITU Story Amateur Radio Station by George Jacobs, W3ASK, CQ September 1962



# 4U1ITU ... Amateur Radio Station of the International Telecommunication Union

BY GEORGE JACOBS\*, W3ASK

*Since the first days of June, the exotic call sign "4U1ITU" has been heard on various amateur bands. This is the story behind this unusual station, and the important milestone it represents for amateur radio.*

**4U1ITU**, the official amateur radio station of the International Telecommunication Union, began formal operation at 12 noon, Central European Time, June 10, 1962. The station had been on the air sporadically during the first week of June, testing equipment. Opening ceremonies for the station, held at the new ITU building in Geneva, Switzerland, were attended by more than 150 radio amateurs, telecommunication officials and distinguished guests from all parts of the world.

4U1ITU was officially opened by the Honorable Gerald C. Gross, Secretary-General of the ITU. Mr. Gross has been a radio amateur for nearly forty years and is licensed as W3GG and HB9IA. The first reply to the Secretary-General's CQ came from DL4VK, and during the 24-hour special ceremonial operating period which followed, more than 500 QSOs were made with 55 countries representing all continents. Among those attending the inauguration ceremonies from the United States were John Huntoon, W1LVQ, representing the American Radio Relay League and the International Amateur Radio Union, Travis Marshall, K9EBE, representing the Hallicrafters Co., which do-

nated, as a gift, much of the equipment being used by 4U1ITU, Don Chesser, W4KVX, George Jacobs, W3ASK and Al Embrechts, W2YEJ.

For nearly a century, the International Telecommunication Union has been the administrative center for world-wide communication. The Union, now a specialized agency of the United Nations, is responsible for administering the international regulations which govern and control the use of radio, telephone and telegraph communications throughout the world. The Union is also responsible for maintaining and extending international cooperation for the improvement and rational use of telecommunications, and for promoting the development of technical facilities and their most efficient operation. One of the Union's most important responsibilities in the field of radio communication is the registration and coordination of frequencies used throughout the world, in an effort to avoid or reduce interference. More than 100 countries participate in the work of the ITU.

The International Telecommunication Union is one of the oldest international organizations, having been founded on May 17, 1865. Until the end of the second World War, the Union was located in Berne, Switzerland. Earlier this year it moved from its post-War headquarters in Geneva's historic Palais Wilson, to a modern office building in Geneva's Place des Nations. 4U1ITU is located on the top floor of the

\*PROPAGATION Editor, CQ.

		INTERNATIONAL AMATEUR RADIO CLUB I.T.U., GENEVA 20, SWITZERLAND	
<h1>4U1ITU</h1>			
TO RADIO	CONFIRMING		
TWO WAY	COMMUNICATION ON	MC BAND	
OF	AT	GMT.	YOUR RST
TX : HT 37, HT 32 B HA 2 RX : SX 101 A ANT : TH 4 GP 4 over 4			
LIN : HT 33 A, HT 33 B SX 115			
INPUT : W.			
PSE TNX QSL direct or via U. S. K. A. - VY 73			
<i>George W3ASK</i>			

Sample of the QSL card being sent from 4U1ITU to confirm contact with this unusual station. During the first 24 hours of its operation, the station was manned by HB9ET, HB9IA, HB9SI, HB9UD, F9DD, F9DG, DL3DU, SM5ANV, G8KS, PA0FX, PA0CS, W1LVQ, W2YEJ, W3GG, W3ASK, W4KVX, K9EBE, and others.

One of the two operating positions at 4U1ITU, headquarter's station of the International Telecommunication Union in Geneva, Switzerland. Shown at the operating desk is Miss Vera Jackson of the ITU staff. In the rear, left-to-right, are: Gunter Joraschkewitz, HB9UD, station manager for 4U1ITU, and Walter Baumgarten, PA0BB/HB9SI, Secretary-Treasurer of the International Amateur Radio Club.



newly erected ITU building. The station's equipment has been donated as part of a gift from the United States, marking the occasion of the Union's move to its new, permanent headquarters.

Since the ITU is a specialized agency of the UN, its amateur radio station has been assigned call-letters from the 4UA-4UZ block, which has been allocated to the United Nations. This is the first time that call-letters from this block have been assigned to an amateur radio station. Permission has been granted from the Swiss Government, the UN and the ITU for 4U1ITU to operate from the ITU building with extra-territorial privileges.

#### International Amateur Radio Club

The station's equipment, and the maintenance and operation of 4U1ITU, have been entrusted to the *International Amateur Radio Club*, a newly formed club under the sponsorship of the ITU. Membership to the IARC is open to all radio amateurs in the United Nations and its specialized agencies. Delegate membership is open to all officials attending conferences of international organizations in Geneva, and who are licensed radio amateurs. Associate membership is open to *all* other licensed radio amateurs upon their expressed request to become associated with the club. The officers of the International Amateur Radio Club are: President: John H. Gayer, member of the International Frequency Registration Board of the ITU; First Vice-President: M. Joachim (OK1WI), an official of the International Radio Consultative Committee of the ITU; Second Vice-President: Willi Menzel (HB9AAB), a technical-expert with the ITU; Secretary-Treasurer: Walter Baumgarten (HB9SI), a telecommunication official with the United Nations. (Walter may be remembered for the long string of exotic calls he has held in the past, among them being PA0BB, ZC6UN, ZC6UNJ, AR8UN, K2UN, and SV5UN.) Membership details can be obtained directly from the Secretary-Treasurer, International Amateur Radio Club—4U1ITU, ITU Building, Geneva 20, Switzerland.

All members, delegate members and associate members of the IARC must be in agreement with the following aims and purposes of the club: 1. through amateur radio, to further

international friendship and understanding; 2. to cooperate with all radio amateur associations; 3. to promote the proper use of the bands allocated to the radio amateur service; 4. to provide the organization through which the club's transmitting and receiving station (4U1ITU) will be managed and operated.

4U1ITU is neither a DXpedition, nor a short term operation. The station plans to be on the air daily, operating on all bands between 2 and 80 meters. Specific operating schedules will be maintained on c.w., a.m. and s.s.b., and teletype may be added in the future. A distinctive QSL card has been designed which will be sent to confirm contact with the new station.

The inauguration of 4U1ITU, the first radio station ever to be sponsored by the ITU, marks a milestone for amateur radio. Formal identification with the ITU in this way not only raises the prestige of amateur radio, but provides for the first time, a truly international station that may be operated by licensed radio amateurs from all parts of the world.



"... This is TT8XY calling CQ ..."

## References 3: 4U1ITU Calling, Annual publication of the IARC, Nr.1 October 1963, "Why an Anniversary" by Bill Halligan.

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# WHY AN ANNIVERSARY?

William J. "Bill" Halligan Sr. W9AC

Amateur radio has been a part of me for almost all of my life. I have spanned the era from the spark coil and the arc to the high power vacuum tube and transistor, from the hetrodyne, to today's sophisticated single sideband circuitry; from barely being able to work the fellow at the other end of town, to spanning oceans, to copying signals from outer space. The events now unfurling in Geneva at The International Telecommunication Union recall for me my many personal feelings about amateur radio. This is why I consider it a privilege to write a few words for this first edition of "4U1ITU Calling".

If amateur radio is to have a "golden anniversary", 1963 seems to be a most appropriate year for it. Indeed, it is most difficult to pin down when amateur radio really began. Who is to say that its spirit was not in the minds of such scientifically inquisitive men as Franklin, Faraday, Maxwell, and Hertz. Certainly, one would not be wrong in pointing to Marconi and Popov as among the first radio amateurs since near the turn of the present century, they were among the first to communicate with radio waves. I propose 1963 as the golden anniversary of amateur radio, however, because it was fifty years ago that the first amateur radio licence was issued in my country. The year 1913, was also the beginning of the Radio Society of Great Britain, and it was also the year in which initial plans were made to establish the American Radio Relay League (which officially came into being in 1914), and similar radio amateur organizations in nearly a dozen other countries. I don't believe that I am far astray by selecting 1963 as the year in which "the spirit" of amateur radio began, as we know it today.

But one must never look back nostalgically, without looking forward with enthusiasm and excitement for the future. With fifty years behind it, amateur radio now looks forward to communication horizons beyond the voids of outer space. I believe that the transition between the past and the future, is now taking place in Geneva in a very tangible way. The deliberations now going on at the ITU's Extraordinary Administrative Radio Conference on Space Communications and Radio Astronomy mark, in my opinion, the beginning of a new era for the amateur, as indeed for all communication services. In a real sense, this is an historic conference, for it is carrying out the allocation of the radio spectrum frequency bands in which future communications systems in space will flourish and grow. This is truly an event to mark with distinction.

The golden anniversary of amateur radio and the occurrence of the space communications Conference, would by themselves have merited a commemorative edition of "4U1ITU Calling". But I believe that there is still a third, and perhaps even more overpowering reason for an anniversary -- and that is to mark the first year of 4U1ITU's operation, and the existence of its parent organization, the International Amateur Radio Club.

Amateur radio is a communication service, but it is also a spirit. I could devote pages to recounting the multitude of life-saving experiences in which radio amateurs have participated, in all corners of the world, but space does not permit this. I could also relate dozens and dozens of stories from my own personal experiences and travels, where the words "amateur radio" have led to new friends in distant or strange places. These friendships vault political, social and economic barriers, and they are as fraternal, warm and sincere as any I have made in my lifetime. Yes, amateur radio is a spirit - indeed, it is almost a way of life. It is this spirit which I believe is so evident in the International Amateur Radio Club, and the Hallicrafter Company is proud to have played a role in the development of the Club's station, 4U1ITU. It is, I believe, this spirit that has made amateur radio what it is today, and it is the existence of this spirit that we are really noting on this special occasion.



## THE AIMS OF THE RADIO AMATEUR TO-DAY

Werner Diefenbach, DL3VD

At present there are about 372,000 amateurs licensed all over the world, 252,000 of whom live in the U. S. A. It is expected that the total will have reached 400,000 at the end of this year, for the percentage increase of amateurs is higher than that of the world's population. We may expect 750,000 amateurs within the next ten years. Only 37,000 amateurs live in the Southern Hemisphere (23000 in South America, 7000 in Asia, 4000 in Australia, and 3000 in Africa). Outside the U. S. A. most amateurs are found in the Soviet Union and in Great Britain (about 10,500 each), Canada, Brazil, and Japan have about 9000 licences each, West Germany more than 8000, Argentina 7000, Australia more than 4000, France nearly 3000, and South Africa 2,500.

With this increase of the number of amateurs, the position in the bands becomes more and more critical. This is considerably aggravated by the policy of certain countries violating the established conventions by using our frequencies for commercial radiocommunications.

On the international level, amateur radio has renewed representatives. For instance, the son of the former U. S. A. President, Herbert Hoover, is the president of the International Amateur Radio Union and the PTT Minister of Poland is likewise an amateur.

Amateurs continually prove the value of their activities in the saving of human lives, by helping when natural disasters occur, assisting in research programmes, etc. Our frequency bands are for our hobby, but often help directly in public service. Often amateurs have arranged for dangerously sick or injured people to be supplied with life saving medicaments, when help sought by means of established conventional channels would have come too late.

Take the recent case when Hamburg was struck by a catastrophic flood, in which power supply and telecommunications entirely failed. When this occurred, amateurs with their mobile stations assisted the police and units of Red Cross from the first hours. As a consequence of the lessons learned from this, great efforts are now being made to establish transistorized stations.

When the first satellites were launched, few imagined that soon an amateur satellite would be in orbit. The signals of this amateur beacon-type satellite were picked up by amateurs all over the world who formed a great network for the OSCAR Association. For that matter, amateurs have always contributed greatly to the progress of science. After their participation in the International Geophysical Year, they are now preparing to take part in the programme of the International Quiet Sun Year. As well as this, they are already engaged in observations on tropospheric propagation and satellite signals.

Research institutes are not always affluent. It would be impossible for them to set up and operate such well equipped worldwide observation chains as the amateurs offer them free of charge. The radio amateur is an unselfish contributor who gives freely of his interest and enthusiasm in any scientific program.

Amateurs' contributions to radio techniques are certainly comparable with those of professionals; let me only quote their pioneering of the HF Spectrum. A large number of amateurs work in the fields of engineering and science and add the experience of experts to the enthusiasm of amateurs.

References 4: 4U1ITU Calling, Annual publication of the IARC, Nr.2  
September 1964, "Personalities" Bill Halligan.

INTERNATIONAL AMATEUR RADIO CLUB

P E R S O N A L I T I E S



BILL HALLIGAN

BILL HALLIGAN - W9AC

What radio ham anywhere doesn't know of Hallicrafters? Hallicrafters was founded by still-active ham W9AC Bill Halligan\* wayback in 1933, and here is the story.

In 1913, as a young lad, Bill Halligan and several of his friends traded books on the subject of radio and gathered together to practice code. The Wellfleet, Massachusetts weather station WCC signals were used to gain code proficiency. Bill at this time used receivers of his own design, winding coils on cardboard tubes. His spark gap transmitter was one of those that created havoc with the Navy Yard in Boston.

He was born the year Marconi transmitted his signals across the English channel. After his experiments with radio in his very early years, he obtained both his commercial and amateur licences in 1916, the year he graduated from high school. The next couple of years found him sailing as wireless man aboard coastal and deep sea vessels. During World War I he was on a mine layer in the North Sea off the coast of Scotland.

Upon his return from active duty, Halligan enrolled in Tufts College to obtain more engineering knowledge. He later won his admission to the Point. Never a conformist, Halligan left West Point within a year of graduation to marry Miss Kate Fletcher of New Rochelle, New York.

After leaving the Point, Halligan wrote one of the first "radio" columns for a Boston newspaper. Many of these columns defended the amateur radio operator against an outraged public.

Later Halligan moved to Chicago because he was convinced it was to become the capital of the electronic industry in the USA. Bill would design his receivers, draw his schematics, pick up his order pad and sell receivers to the radio stores. After he had sold 50 to 100 units, he would commission the manufacture of the sets.

W9AC's philosophy is, and has been, to make equipment smaller, better, and less expensive.

The HT-4 transmitter and the SX-28 receiver were the fruits of this philosophy and the keystone of Hallicrafters.

After 1945, Halligan remained in business by reverting to his pre-war philosophy concerning the amateur radio operator. He designed and built the best receivers and transmitters available for this market. Halligan's belief was that the amateur radio operators would begin to increase in large numbers. His decision at that time to provide equipment for these operators has been well proven over the years.

\* and I. A. R. C. Member

Hallicrafters today is managed by W9AC's son Bob Halligan. The company is a healthy mixture of New England conservatism and Midwestern dynamics. Under Bob's direction the company has subsidiary companies on both Coasts of the United States and an associate company in the Midwest. He is also engaged in establishing strong research and development relations with Midwestern universities.

Over the years, Hallicrafters has contributed many firsts to the electronic industry. Some of the "firsts" are a calibrated s-meter, a dual diversity receiver, an automatic noise limiter, a temperature compensated H. F. oscillator a battery portable all wave communications receiver, a dual A. V. C. system, a bridge tee notch filter, and commercial production of an electronic keyer with digital techniques.

While Bob Halligan has become president and Chief Executive Officer of the company, Bill remains Chairman of the Board. He lives on the Chicago lake front and continues to operate W9AC. Never a conformist to current thinking, the antenna for 9AC is diametrically opposed to most amateur operator's thinking. Halligan's antenna is specially designed dipole, which is seven floors below him on the roof of the Drake Hotel. He operates CW on 7,015 Mc. and 14,080 Mc. Occasionally, he can be found operating on 20 meters SSB.

Halligan currently holds W9AC and W4AK. In the past, he has held 1AEH in 1916, 1UL, W9WOE, and W9WZE.

References 5: 4U1ITU Calling, Annual Publication of the IARC, Nr. 3, ITU Centenary Year 1965

*ITU Centenary year amateur stations*



*With the support of the Swiss Administration and the ITU Secretary-General an IARC station was set up in the Montreux Palace Hotel, headquarters of the ITU Plenipotentiary Conference, Montreux, 1965. This station was allocated the special call HB3ITU by the Swiss P.T.T. and was on the air for the two months duration of the conference. A great number of interesting QSOs were made by visiting ITU Delegates. A special IARC QSL card was sent acknowledging all contacts. Our photos shows the late Dr. Sarwate, elected Secretary-General by the Montreux Conference, and (left to right) Mr. Gustav Wettstein, then Director-General of the Swiss P.T.T. and another senior Swiss P.T.T. official, Mr. Rüttschi, 1966 President of the I.T.U. Administrative Council, visiting HB3ITU.  
Another IARC station operated from Monte Carlo in Monaco in August 1965.*

**INTERNATIONAL AMATEUR RADIO CLUB**  
I.A.R.C., P.O. BOX 6 GENEVA 20, SWITZERLAND

# 3AØITU

IN THE BEAUTIFUL CITY OF MONTE-CARLO  
PRINCIPAUTÉ DE MONACO

TO RADIO _____	CONFIRMING _____		MC BAND _____
TWO WAY _____	COMMUNICATION ON _____		
OF _____	AT _____	GMT. _____	YOUR RST _____
TX: _____	LIN: _____	PWR: _____	RX: _____
			ANT: _____

QSL direct or via U.S.K.A. - VY 73 \_\_\_\_\_ .OP



*The Montreux Palace*



# INTERNATIONAL AMATEUR RADIO CLUB *Geneva* 20

P.O. Box 6



The International Amateur Radio Club came into existence at the inauguration, in 1962, of the new International Telecommunication Union Headquarters building located in the vicinity of the United Nations complex in Geneva. Allocated a callsign in the United Nations 4U series, it started operation on amateur bands from 2m to 80m with a station donated by the Hallicrafters Company as a gift of the Government of the United States of America to the I.T.U. Since that date, 4U1ITU has contacted, as a new DXCC country, countless tens of thousands of radio amateurs all over the world, with the Hallicrafters SX 115 receiver HT 323 exciter and HT 333 linear and a Hy-Gain TH-4 antenna. A dual station incorporating the original equipment and a Hammarlund line HQ 180 receiver, HX 50 exciter, and HXL-2 linear is now in full operation. Also, due to the generosity of a number of additional manufacturers, a Club working on an extremely modest budget and with the aid of hard working Club members, has enabled the IARC station to maintain a high standard of operating efficiency and to foster friendship between radio amateurs in all the earth's continents.

**During the ITU Centenary weekend, IARC had six complete stations on the air. During the 17-20 September IARC CONVENTION, there will be ten!** The Companies who made it possible are:

- Hallicrafters Co., Chicago, Illinois
- Hammarlund Mfg. Co. Inc., New York, New York
- Hy-Gain Antenna Products Co., Lincoln, Nebraska
- Technical Materiel Corp., Mamaroneck, New York
- Moseley Electronics Inc., Bridgetown, Missouri
- New-Tronics Corp., Cleveland, Ohio
- World Laboratories/Galaxy, Council Bluffs, Iowa
- Cornell-Dubilier Electronics, Fuquay/Varina, North Carolina
- The Turner Co., Cedar Rapids, Iowa
- Partridge Electronics Ltd., Broadstairs, Kent, England
- Dow-Key Co., Thief River Falls, Minnesota
- Waters Mfg. Co., Wayland, Massachusetts
- Ampex, Red Wood City, California
- Scientific Instrument R & D Co., Union, N. J.

We thank them!

## IARC CONVENTION

Activities are directed towards supporting national amateur radio societies and maintaining the individual amateur's privileges and his right to establish contact freely with his brother amateurs no matter in what part of the world they may live.

The highlight of each IARC year is its CONVENTION. The Conventions are normally held in Geneva to coincide with a special event. The first was held in October 1963, during the ITU Space Radio Conference; the second in September 1964, during the Second United Nations Conference on the Use of Atomic Energy. The third Convention will be held in September (17th-20th) 1965, during the time of the ITU Plenipotentiary Conference (100 years of ITU Co-operation) Montreux, Switzerland. For each of the IARC Conventions, the IARC Annual Magazine—INTERADIO—4U1ITU CALLING—is published. IARC also now publishes a quarterly Newsletter. The 1 October Newsletter will report on the Third (17-20 September 1965) IARC Convention.

The tentative IARC Convention program was distributed with IARC Newsletter No. 2.

## INTERNATIONAL RADIO—

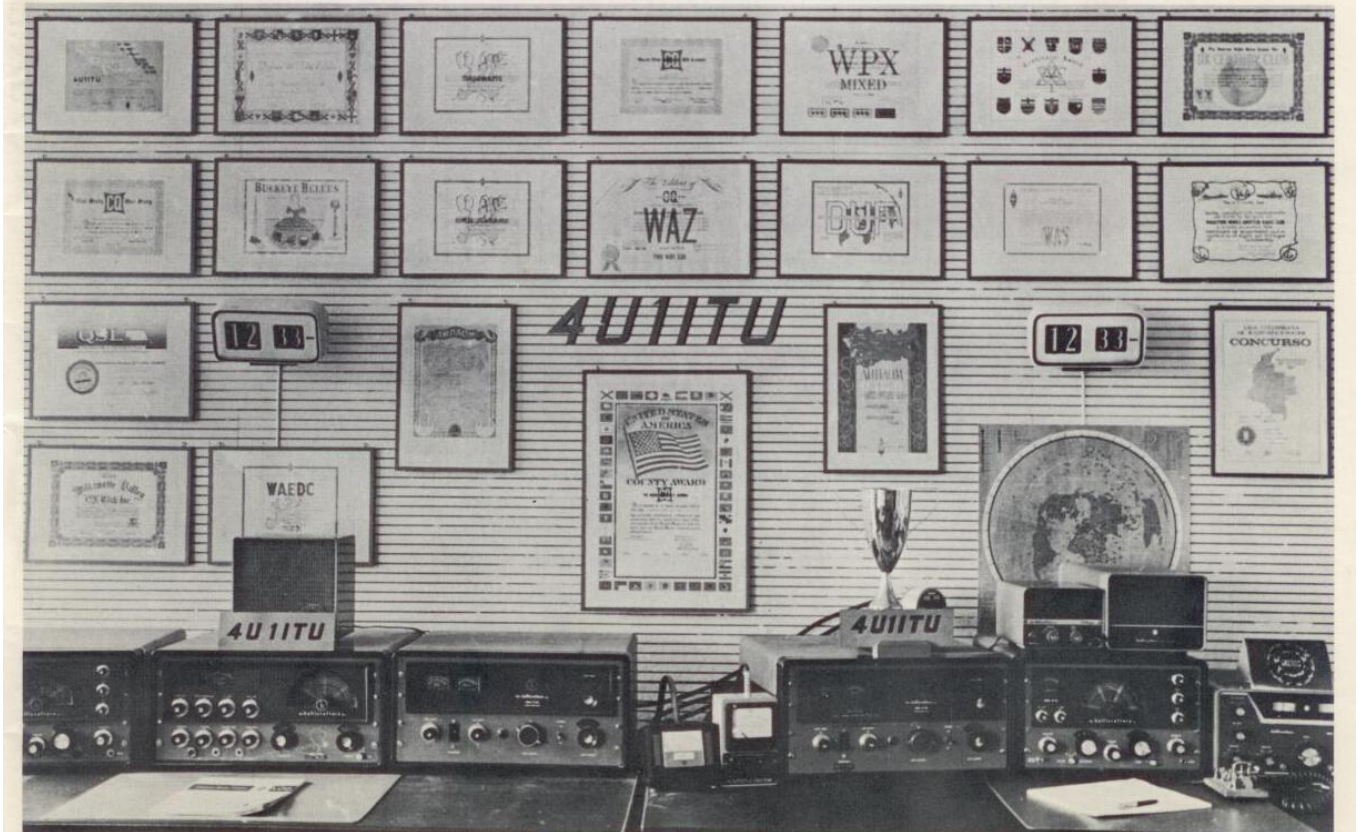
IARC makes a special effort to contribute to the development of all forms of radio throughout the world and to promote its effective use and assist in its use, especially Amateur Radio.

**HAM-TECH-AID is known in new developing countries. Our only regret is our resources have not been enough to help in the way we would like. However, IARC by courtesy of Hallicrafters and Hy-Gain, has established a Telecommunication Club station in Addis Ababa with an SR 150 and a dipole antenna. We hope to improve this and other stations while continuing, by courtesy of ARRL, RSGB, REF as well as with IARC information, to provide publications and literature they so much need in their studies and use of radio.**

IARC membership is open to all. Licensed Radio Amateurs as Members, others as Associates. The Annual dues are: 22 Sw.Frs., \$5, or the equivalent. (Short-wave listeners (SWL) and students—12 Sw.Frs., \$3, or equivalent). IARC membership certificates are given to licensed wives (XYLs) of members without charge. An Annual Membership List is published. List No. 2, in alphabetical order and callsigns, will be distributed with the IARC CONVENTION Newsletter No. 3 (October 1965). We would appreciate receiving any further corrections NOW.

On the occasion of the I.T.U. Centenary year, IARC inaugurated Ambassador-Life Membership. Ambassador-Life Membership is extended to enthusiastic supporters of IARC and International Radio. (Membership fee: 430 Sw.Frs., \$100 or equivalent).





## 4U1ITU Opens

### *New International Ham Station at Geneva*

HB9SI, club secretary, holds the ribbon while K9EBE of the Hallicrafters Company performs the cutting ceremony; to the right are club president John Gayer and ITU Secretary-General Gerald C. Gross



ON June 10, in the presence of many distinguished international experts in the field of telecommunications, amateur station 4U1ITU was dedicated at its location in the new headquarters building of the International Telecommunications Union, Geneva, Switzerland.

A ham club station has long been the aim of amateurs among the executive and staff personnel at ITU, but for reasons of space it had to await the construction of a new building. With the blessing of Gerald C. Gross, W3GG/HB9IA, Secretary-General of the Union, the Administrative Council granted approval for the amateur installation and accepted equipment donated by the Hallicrafters Company as a gift of the United States. Various members of the Administrative Council, International Frequency Registration Board, technical consulting committees and the General Secretariat witnessed the inauguration.

4U1ITU is licensed to the International Amateur Radio Club, with general membership open to all staff members of international organizations, delegate membership open to all official delegates to conferences held by international organizations, and associate membership open to all other licensed amateurs. Club officers are J. H. Gayer, DL4ZA, president; M. Joachim,

OK1WI, first vice president; W. Menzel, HB9AAB second vice president; W. Baumgarten, HB9SI, secretary-treasurer.

The purposes of the club are:

1. through amateur radio, to further international friendship and understanding;
2. to co-operate with all radio amateur associations;
3. to promote the proper use of the bands allocated to the radio amateur service;
4. to provide the organization through which the IARC radio transmitting and receiving station will be managed and operated.

ITU has, in essence, extra-territorial rights in Switzerland and so by agreement with Swiss authorities the station operates with a United Nations prefix. Any licensed amateur may operate the station. Over 500 contacts in 55 countries on all continents were made the first weekend of operation, largely due to the all-night c.w. stunts of a visiting Stateside DXer, W4K VX, although amateurs from various countries took a trick at one time or another during the inauguration. ITU personnel hope to keep the new station regularly active on the air, using all bands from time to time but probably with a preference for 14-Mc. sideband. Watch for it! QST

Amateurs and international telecommunications experts taking part in the inauguration ceremonies assembled on the front steps of the new headquarters building housing the International Telecommunications Union offices.



August 1962

The first contact after formal opening of 4U1ITU is made by W3GG/HB9IA while W3ASK assists.

